

ITIS313 – Final test

Fill in the Blank (10 Qs – 10 marks) :

- **Markup:** This is text inserted in a document to add information as to how characters and contents should be represented in the document.
- HTTP is **stateless** protocol , server maintains no information about past client requests.
- **A session** is a semi-permanent interactive information interchange, also known as a dialogue, a conversation or a meeting, between two or more communicating devices, or between a computer and user.
- Session tracking is normally implemented by **URL rewriting** or **cookies**.
- **browser cookie** is used to send state information to a user's browser and for the browser to return the state information to the origin site.
- Example of helper applications include **Acrobat Reader**.
- A **session tracking** mechanism has to be used to allocate a request to a session.

T/F (10 Qs – 10 marks) :

- streaming technologies to minimize these waiting times for multimedia contents to play out.
- If Performance is critical requirement using a few relatively large components rather than small components.
- Performance is critical problem in layered architecture .
- Syndication is software that connects software components.
- In the model of the software development process architectural design is the first stage in the software design process.
- The layered architecture pattern is another way of achieving separation and independence.
- Web server receives a client request and forward it to content delivery server.

Essay (4 Qs) :

1- notations of requirements with examples (stories , itemized , formatted, formal)

Ans. (Ch. 8) - [8 Marks]

2- picture of a Web page and determine is it usable or not from three areas :

a- Text Layout b- Page Structure c- Multiculturality

(Ch. 8) - [12 Marks]

3- How to refine the hypertext structure model and what classes to be refined .

Ans. (Ch. 6 – Slide 19 and slide 21) - [8 Marks]

4- Traditional software development process models have to be adapted to the needs of web application development or may even be totally inadequate. Explain why ?

Ans. (Ch. 7 – from Slide 3 to slide 8) - [12 Marks]